



# Sustainable Energy Management for Defense

Undergraduate course proposal

63<sup>RD</sup> IMPLEMENTATION GROUP MEETING, BRUSSELS, 09-11 SEPTEMBER 2024

# Need

- ▶ CSDP Defence [RoadMap](#)
- **Operational:** environmental aspects into the planning and implementation of CSDP missions and operations, measure and assess the environmental footprint of CSDP missions and operations, environmental advisors.
- **Capability Development:** climate dimension into mandatory CSDP pre-deployment training, Research Projects calls.

**The above roadmap is already been implemented since 03/2022. Undergraduate cadets need to have the basic knowledge to adapt.**

# Proposal

Prepare a CM to be horizontally taught in military academies with the aim to support the EU's Climate Change and Defense Roadmap

## How

Create a task group with energy experts, (one/academy) to prepare the CM.

### Steps:

1. Collect PoCs √ Completed
2. Compile the group and share material √ Completed
3. Allocate tasks and timeline to prepare the module. √ Completed
4. Run a pilot course

# Partners - PoC



- ▶ Prof. I Templalexis - Hellenic Air Force Academy, Greece, [i.templalexis@yahoo.gr](mailto:i.templalexis@yahoo.gr)
- ▶ Prof. Philippe Ch.-A. GUILLOT, French Air Force Academy, France, [philippe.guillot@ecole-air.fr](mailto:philippe.guillot@ecole-air.fr)
- ▶ Assoc. Prof. dr. Gintaras LABUTIS, Military Academy of Lithuania, Lithuania, [gintaras.labutis@lka.lt](mailto:gintaras.labutis@lka.lt)
- ▶ .... **The list is open for more partners to join.**

# Material

## Understand the Importance of Sustainable Energy Management

- Explain the significance of sustainable energy in the context of defense operations.
- Identify the environmental, economic, and strategic benefits of sustainable energy practices in the defense sector.

## Analyze Renewable Energy Sources and Their Applications

- Describe the principles and technologies behind various renewable energy sources such as solar, wind, and bioenergy.
- Evaluate the feasibility and benefits of integrating renewable energy sources into defense infrastructure and operations.

## Evaluate Energy Efficiency and Resilience Strategies

- Understand the concepts of energy efficiency and energy resilience.
- Identify key energy efficiency measures and resilience strategies applicable to defense settings.

## Examine Policy and Regulatory Frameworks

- Understand the international and national policies governing sustainable energy.
- Analyze defense-specific energy policies and regulatory frameworks.



# Pilot Course

- ▶ **Place:** Military Academy of Lithuania, Lithuania
- ▶ **Date:** Three weeks starting from **March 17, 2025 (March 17 – April 11, 2025)**.

This 5 ECTS Course will run as Military Academy of Lithuania BA Program on National Security and Defence course offered for Military Academy of Lithuania cadets and ERASMUS students.

**The Pilot Course will be part of this course, it will cover 2 ECTS and it will be completed within one week time. Details on the exact week, will be given in due time.**

**Book your place.** Contact Ms Evelina Miseliene, Project Lead, ERASMUS+INSTITUTIONAL COORDINATOR, Military Academy of Lithuania, email: [evelina.miseliene@lka.lt](mailto:evelina.miseliene@lka.lt)